
 NASA TELEVISION SCHEDULE
 STS-125
 Hubble Space Telescope Servicing Mission 4
 REV O
 05/23/09

Standard-Definition NASA TV satellite coordinates are available at: <http://www1.nasa.gov/multimedia/nasatv/digital.html>. **High -Definition NASA TV Channel #105** is broadcast at 720p @ 59.94 fps, carried on an MPEG-2 digital signal on satellite AMC-6, Transponder 17C, at 72 degrees west longitude, 4040 MHz, vertical polarization. A Digital Video Broadcast (DVB) - compliant Integrated Receiver Decoder (IRD) with modulation of QPSK/DBV, data rate of 36.86, symbol 26.665 and FEC 3/4 will be needed for reception. Mission Audio can be accessed at: <http://www.nasa.gov/ntv>. **Clients actively participating in Standard-Definition on-orbit interviews, interactive press briefings and satellite interviews must use the LIMO Channel, accessed via satellite AMC-6, 72 degrees west longitude, transponder 5C, 3785.5 MHz, vertical polarization. A Digital Video Broadcast (DVB) - compliant Integrated Receiver Decoder (IRD) with modulation of QPSK/DBV, data rate of 6.00 and FEC 3/4 will be needed for reception.**

ALL TIMES SUBJECT TO CHANGE

This TV schedule is available via the Internet. The address is <http://www.nasa.gov/shuttle/tv>
 Launch occurred at 1:01pm CT (2:01pm ET) on Monday, May 11th, 2009.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
SATURDAY, MAY 23						
FD 13						
185	* ATLANTIS CREW SLEEP BEGINS		12/ 03:00	04:01 PM	05:01 PM	21:01
186	* ASSORTED STS-125 FLIGHT DAY HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 03:59	05:00 PM	06:00 PM	22:00
SUNDAY, MAY 24						
FD 14						
191	* ATLANTIS CREW WAKEUP (begins FD 14)		12/ 11:00	12:01 AM	01:01 AM	05:01
193	* DEORBIT PREPARATIONS BEGIN		12/ 15:00	04:01 AM	05:01 AM	09:01
193	* PAYLOAD BAY DOOR CLOSING		12/ 16:16	05:17 AM	06:17 AM	10:17
196	* 1ST KSC OPPORTUNITY DEORBIT BURN	KSC	12/ 18:56	07:57 AM	08:57 AM	12:57
196	* MILA C-BAND RADAR ACQUISITION OF ATLANTIS		12/ 19:55	08:56 AM	09:56 AM	13:56
196	* 1st KSC OPPORTUNITY LANDING	KSC	12/ 20:08	09:09 AM	10:09 AM	14:09

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197	* 1st EDW OPPORTUNITY DEORBIT BURN	EDW	12/ 20:23	09:24 AM	10:24 AM	14:24
197	* 2nd KSC OPPORTUNITY DEORBIT BURN	KSC	12/ 20:40	09:41 AM	10:41 AM	14:41
197	* 1st EDW OPPORTUNITY LANDING	EDW	12/ 21:37	10:38 AM	11:38 AM	15:38
197	* 2nd KSC OPPORTUNITY LANDING	KSC	12/ 21:47	10:48 AM	11:48 AM	15:48
198	* 2nd EDW OPPORTUNITY DEORBIT BURN	EDW	12/ 22:06	11:07 AM	12:07 PM	16:07
198	* 2nd EDW OPPORTUNITY LANDING	EDW	12/ 23:16	12:17 PM	01:17 PM	17:17
	POST-LANDING NEWS CONFERENCE	KSC		NET L+2 HRS.		
	ENTRY FLIGHT CONTROL TEAM VIDEO REPLAY (replayed after Post-Landing News Conference)	JSC		~ L+3 HRS.		
	STS-125 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
	STS-125 CREW NEWS CONFERENCE (may be postponed or cancelled)	KSC		NET L+4.5 HRS.		

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DEFINITION OF TERMS

- ACS: Advanced Camera for Surveys on HST
- AMC: Americom Satellite
- CDT: Central Daylight Time
- COS: Cosmic Origins Spectrograph on HST
- EDT: Eastern Daylight Time
- EDW: Edwards Air Force Base, CA
- EMU: Extravehicular Mobility Unit
- EVA: Extravehicular Activity
- FD: Flight Day
- FGS: Fine Guidance Sensor on HST
- FSS: Flight Support System (HST docking interface on Atlantis)
- GMT: Greenwich Mean Time
- GSFC: Goddard Space Flight Center
- HDTV: High-Definition Television
- HGA: High-Gain Antenna on HST
- HQ: NASA Headquarters
- HST: Hubble Space Telescope
- ISS: International Space Station
- JSC: Johnson Space Center
- KSC: Kennedy Space Center
- L: Launch or Landing time
- LIMO: Live Interview Media Outlet channel
- LRO/LCROSS: Lunar Reconnaissance Orbiter/Lunar Crater Observation and Sensing Satellite
- MECO: Main Engine Cut-Off
- MET: Mission Elapsed Time, which begins at the moment of launch and is read: DAYS/HOURS:MINUTES. LAUNCH=00/00:00
- MILA: Merritt Island, Florida Tracking Station
- MMT: Mission Management Team
- NET: No Earlier Than
- NOBL: New Outer Blanket Layer on HST
- OBSS: Orbiter Boom Sensor System on Atlantis
- OMS: Orbital Maneuvering System on Atlantis
- PAO: Public Affairs office
- RCS: Reaction Control System on Atlantis
- RMS: Remote Manipulator System on Atlantis
- RSU: Rate Sensor Unit in HST gyroscope assembly
- SCM: Soft Capture Mechanism on FSS
- SI CD & H: Science Instrument Command & Data Handling computer on HST
- SSE: Space Support Equipment on Atlantis
- STIS: Space Telescope Imaging Spectrograph on HST
- STOCC: Space Telescope Operations Control Center at GSFC

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STS:	Space Transportation System					
TI:	Terminal Initiation Rendezvous Maneuver					
TDRE, W:	Tracking and Data Relay Satellite, East and West Longitudes					
TPS:	Thermal Protection System on Atlantis					
WFCIII:	Wide Field Camera 3 on HST (replaces WFPC)					
WPFC:	Wide Field Planetary Camera on HST (replaced by WFCIII)					